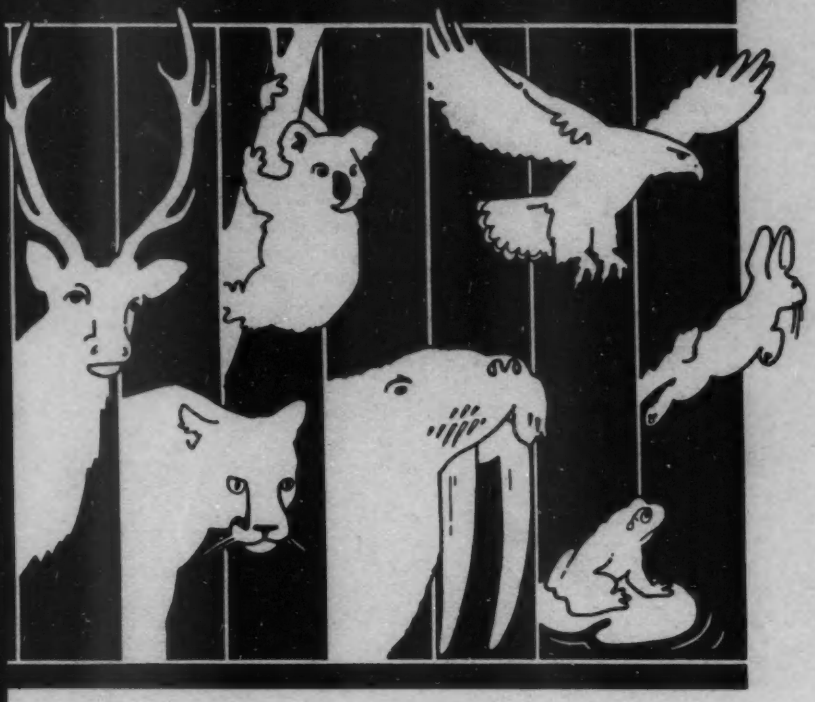
WILDLIFE *Review*



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WILDLIFE REVIEW

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WILDLIFE Review

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[Dep. Biol., Washington & Lee Univ., Lexington, VA 24450] *Charadrius melodus* and *C. wilsonia*.

88-011602 Berlijn, Max and Jaap J. D. Eerdmans. [CURLEW SANDPIPER WITH HALF-BROKEN BILL.] *Dutch Birding* 10(2):86-88. 1988. In Dutch with English summ. WR 211

SHOREBIRDS, MARSHBIRDS, AND ALLIES (CONTINUED)

88-011602 CONTINUED
[van Bleiswijkstr. 218, 2582 LJ 's-Gravenhage, Netherlands] *Calidris ferruginea* in the Netherlands.

88-011603 Birkhead, T. R. and D. N. Nettleship. BREEDING PERFORMANCE OF BLACK-LEGGED KITTIWAKES, *RISSA TRIDACTYLA*, AT A SMALL, EXPANDING COLONY IN LABRADOR. *Can. Field-Nat.* 102(1):20-24. 1988. WR 211
[Nettleship: Canadian Wildl. Serv., Bedford Inst. Oceanogr., P.O. Box 1006, Dartmouth, NS, Canada B2Y 4A2]

88-011604 Bosman, Alison Lesley. AVIAN DETERMINANTS OF ROCKY INTERTIDAL COMMUNITY STRUCTURE. *Ph.D. dissertation, Univ. Cape Town (South Africa)* 1987. From Diss. Abstr. Int. B Sci. Eng. 49(2):330. 1988. WR 211
Haematopus moquini in South Africa.

88-011605 Brandl, Roland and Ingrid Nelsen. FEEDING FREQUENCY OF BLACK-HEADED GULL CHICKS. *Bird Study* 35(2):137-141. 1988. WR 211
[Lehrstuhl Tierokol. I, Univ. Bayreuth, Postfach 101251, D-8580 Bayreuth, West Germany] *Larus ridibundus* in West Germany.

88-011606 Bray, Martin Paul. FEEDING ECOLOGY OF WHITE-FACED IBISES IN A GREAT BASIN VALLEY. *M.S. thesis, Univ. Nev. (Reno)* 48p. 1987. From Masters Abstr. Int. 26(1):78. 1988. WR 211
Plegadis chihi in Nevada.

88-011607 Brenning, Ulrich. SOME RESULTS OF WADER RINGING IN GDR. *Wader Study Group Bull.* No. 51. p. 21. 1987. Abstract only. WR 211
[Wilhelm-Pieck-Univ., Sekt. Biol., Freiligrathstr. 7/8, DDR-2500 Rostock, East Germany]

88-011608 Brunton, Dianne H. ENERGY EXPENDITURE IN REPRODUCTIVE EFFORT OF MALE AND FEMALE KILLDEER (*CHARADRIUS VOCIFERUS*). *Auk* 105(3):553-564. 1988. WR 211
[Dep. Biol., Yale Univ., OML, P.O. Box 6666, New Haven, CT 06511-7444]

88-011609 Buchanan, Joseph B. SOME UNUSUAL OBSERVATIONS OF DUNLINS IN WASHINGTON. *Wader Study Group Bull.* No. 51. p. 62-63. 1987. WR 211
[1409 W. 7th Ave., Olympia, WA 98501] *Calidris alpina*.

88-011610 Buczek, A. and T. Buczek. WADERS OF CARBONATE MARSHES NEAR CHELM (EASTERN POLAND). *Wader Study Group Bull.* No. 51. p. 26-27. 1987. Abstract only. WR 211
[ul. Pulawska 27/25, 20-041 Lublin, Poland]

88-011611 Burger, Joanna and Michael Gochfeld. NEST-SITE SELECTION AND TEMPORAL PATTERNS IN HABITAT USE OF ROSEATE AND COMMON TERNS. *Auk* 105(3):433-438. 1988. WR 211
[Dep. Biol. Sci., Rutgers Univ., Piscataway, NJ 08855] *Sterna dougallii* and *S. hirundo* in New York.

88-011612 Burger, Joanna and Michael Gochfeld. HABITAT SELECTION IN MEW GULLS: SMALL COLONIES AND SITE PLASTICITY. *Wilson Bull.* 100(3):395-410. 1988. WR 211
[Dep. Biol. Sci. & Bur. Biol. Res., Rutgers Univ., Piscataway, NJ 08854] *Larus canus*.

SHOREBIRDS, MARSHBIRDS, AND ALLIES (CONTINUED)

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[Dep. Biol. Sci. & Bur. Biol. Res., Rutgers Univ., Piscataway, NJ 08855] *Sterna antillarum* in New Jersey.

88-011614 Butts, Kenneth O. JUVENILE WHOOPING CRANE WINTERS IN WESTERN OKLAHOMA. *Bull. Okla. Ornithol. Soc.* 21(2):13-15. 1988. WR 211
[U.S. Fish & Wildl. Serv., P.O. Box 1306, Albuquerque, NM 87103-1306] *Grus americana*.

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[Perim 127, 1503 GB Zaandam, Netherlands] *Stercorarius pomarinus*.

88-011616 Camphuysen, C. J. (Kees) and Edward J. van IJzendoorn. INFLUX OF POMARINE SKUA IN NORTHWESTERN EUROPE IN AUTUMN 1985. *Dutch Birding* 10(2):66-70. 1988. In English with Dutch summ. WR 211
[Perim 127, 1503 GB Zaandam, Netherlands]

88-011617 Carboneras, Carlos. THE AUKS IN THE WESTERN MEDITERRANEAN. *Ringing Migr.* 9(1):18-26. 1988. WR 211
[Santa Ana 40, 08911 Badalona, Spain] *Alca torda, Fratercula arctica, Uria aalge*, and *Alle alle*.

88-011618 Carey, Geoff. PALE TRAILING EDGE TO SECONDARIES OF BAILLON'S CRAKE. *Br. Birds* 81(8):395-396. 1988. WR 211
[77A Princess Victoria St., Clifton, Bristol BS8 4DD, England] *Porzana pusilla*.

88-011619 Carpenter, James W.; Meliton N. Novilla; Thomas K. Jeffers and S. L. White. DISSEMINATED VISCERAL COCCIDIOSIS IN CAPTIVE CRANES: AN UPDATE. *Proc. Int. Conf. Zool. Avian Med.* 1:410-411. 1987. WR 211
[U.S. Fish & Wildl. Serv., Patuxent Wildl. Res. Cent., Laurel, MD 20708] *Grus americana* and *G. canadensis*.

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[Dep. Environ. Conserv., Div. Fish & Wildl., Nongame Unit, Wildl. Resour. Cent., Delmar, NY 12054]

88-011621 Castro, Gonzalo. ASSIMILATION EFFICIENCY OF SANDERLINGS (*CALIDRIS ALBA*) FEEDING ON HORSESHOE CRAB (*LIMULUS POLYPHEMUS*) EGGS. *Wader Study Group Bull.* No. 51. p. 64. 1987. Abstract only. WR 211
[Acad. Nat. Sci., Philadelphia, PA 19103]

88-011622 Chmielewski, Slawomir; Andrzej Dombrowski; Tomasz Smolenski and Jaroslaw Zawadzki. BREEDING WADERS IN LOWER BUG VALLEY. *Wader Study Group Bull.* No. 51. p. 27. 1987. Abstract only. WR 211
[ul. Rynek 12, 05-640 Mogielnica, Poland]

88-011623 Choe, Jae C. and Ke Chung Kim. MICROHABITAT PREFERENCE AND COEXISTENCE OF ECTOPARASITIC ARTHROPODS ON ALASKAN SEABIRDS. *Can. J. Zool.* 66(4):987-997. 1988. In English with French summ. WR 211

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88-011623 CONTINUED
[Kim: Frost Entomol. Mus., Dep. Emtomol., Pa. State Univ., University Park 16802] *Uria aalge, U. lomvia, Rissa tridactyla,* and *R. brevirostris.*

88-011624 Chojnacki, Ireneusz and Tadeusz Stawarczyk. WOOD SANDPIPERS USING TAIL-PATTERN AS VISUAL SIGNAL IN AGGRESSIVE ENCOUNTERS. *Br. Birds* 81(9):466-468. 1988. WR 211
[Przybyszewskiego 50 m.6, 60-357 Poznan, Poland] *Tringa glareola* in Poland.

88-011625 Chylarecki, Przemyslaw. FACTORS INFLUENCING EGG SIZE IN THE RINGED PLOVER - DO LARGER FEMALES LAY LARGER EGGS? *Wader Study Group Bull.* No. 51. p. 27. 1987. Abstract only. WR 211
[Sredzka 22 m.4, 62-035 Kornik, Poland] *Charadrius hiaticula* in Poland.

88-011626 Chylarecki, Przemyslaw and Andrzej Czapulak. EARLY-AUTUMN WADER PASSAGE AT WARTA MOUTH, POLAND. *Wader Study Group Bull.* No. 51. p. 27. 1987. Abstract only. WR 211
[Sredzka 22 m.4, 62-035 Kornik, Poland]

88-011627 Chylarecki, Przemyslaw and Aleksander Winiecki. WADERS BREEDING IN THE WARTA RIVER VALLEY, POLAND, IN 1983-86. *Wader Study Group Bull.* No. 51. p. 28. 1987. Abstract only. WR 211
[Sredzka 22 m.4, 62-035 Kornik, Poland]

88-011628 Clark, Charles T. CARIBBEAN COOT? *Birding* 17(2/3):84-86. 1985. WR 211
[Star Rt. 1, Box 442-D, Rockport, TX 78382] *Fulica caribaea.*

88-011629 Clark, Nigel and Jacquie Clark, compilers. RECENT RECOVERIES OF WADERS RINGED IN BRITAIN AND IRELAND. *Wader Study Group Bull.* No. 50. p. 41-43. 1987. WR 211

88-011630 Clegg, Michael. WADERS EATING FISH - AND CHIPS. *Br. Birds* 81(8):397. 1988. WR 211
[26 Malham Way, Knaresborough, North Yorkshire HG5 0HQ, England] *Calidris alpina, Arenaria interpres, Tringa totanus,* and *C. maritima* in England.

88-011631 Cook, R. A.; R. A. Moretti and J. A. Duffelmeyer. HEMATOLOGY OF THE WHITE NAPED CRANE (*GRUS VIPIO*). *Proc. Int. Conf. Zool. Avian Med.* 1:417-418. 1987. Abstract only. WR 211

88-011632 Cowart, William. ARCTIC TERN (*STERNA PARADISAEA*). *Passenger Pigeon* 50(2):171-172. 1988. WR 211
[4034 N. 45th St., Milwaukee, WI 53216]

88-011633 Craig, Adrian. LESSER GALLINULE AT PORT ALFRED. *Bee-eater* 38(2):23-24. 1987. WR 211
[Dep. Zool. & Entomol., Rhodes Univ., Box 94, Grahamstown 6140, South Africa] *Gallinula angulata* in South Africa.

88-011634 Danchin, Etienne. SOCIAL INTERACTIONS IN KITTIWAKE COLONIES: SOCIAL FACILITATION AND/OR FAVOURABLE SOCIAL ENVIRONMENT. *Anim. Behav.* 36(2):443-451. 1988. WR 211

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[C.R.B.P.O./C.N.R.S., 55 Rue Buffon, 75005, Paris, Francis] *Rissa tridactyla* in France.

88-011635 Day, Robert H.; Anthony R. DeGange; George J. Divoky and Declan M. Troy. DISTRIBUTION AND SUBSPECIES OF THE DOVEKIE IN ALASKA. *Condor* 90(3):712-714. 1988. WR 211
[Inst. Mar. Sci., 200 O'Neill Bldg., Univ. Alaska, Fairbanks 99775] *Alle alle*.

88-011636 De Korte, J. and J. Wattel. FOOD AND BREEDING SUCCESS OF THE LONG-TAILED SKUA AT SCORESBY SUND, NORTHEAST GREENLAND. *Ardea* 76(1):27-41. 1988. In English with Dutch summ. WR 211
[Arctic Cent., Univ. Groningen, Grote Kruisstr. 2-1, 9712 TS Groningen, Netherlands] *Stercorarius longicaudus*.

88-011637 Dean, W. R. J. BREEDING OF THE GOLIATH HERON AT BARBERSPAN, TRANSVAAL. *Ostrich* 59(2):75-76. 1988. WR 211
[Percy FitzPatrick Inst. African Ornithol., Univ. Cape Town, Rondebosch 7700, South Africa] *Ardea goliath*.

88-011638 Dominguez, Jesus; Felipe Barcena; J. A. Souza and Antonio Villarino. BREEDING WADERS IN GALICIA, NORTH-WEST SPAIN. *Wader Study Group Bull.* No. 50. p. 28-29. 1987. WR 211
[Dep. Biol. Anim., Fac. Biol., Univ. Santiago, Galicia, Spain]

88-011639 Dronen, Norman O.; Gerald D. Schmidt; Bertha R. Allison and John W. Mellen. SOME PARASITIC HELMINTHS FROM THE AMERICAN OYSTERCATCHER, *HAEMATOPUS PALLIATUS* TEMMINCK, FROM THE TEXAS GULF COAST AND THE COMMON PIED OYSTERCATCHER, *H. OSTRALEGUS* LINNAEUS, FROM NEW ZEALAND, INCLUDING *DILDOTAENIA LATOVARIUM* N. GEN. AND N. SP. (CESTODA: HYMENOLEPIDIDAE). *J. Parasitol.* 74(5):864-867. 1988. WR 211
[Lab. Parasitol., Dep. Wildl. & Fish. Sci., Tex. A&M Univ., College Station 77840]

88-011640 du Plessis, Deon. [OBSERVATIONS OF WATTLED PLOVERS (*VANELLUS SENEGALLUS*) IN THE ORANGE FREE STATE.] *Mirafra* 4(2):36-37. 1987. In Afrikaans with English summ. WR 211

88-011641 Dubs, Balthasar. [BREEDING-BEHAVIOUR OF THE PLUMBEOUS IBIS (*HARPIPRION CAERULESCENS*).] *J. Ornithol.* 129(3):363-365. 1988. In German with English summ. WR 211
[Hinterzelg 39, CH-8700 Kusnacht, Switzerland]

88-011642 Ducey, Jim. NEST SCRAPE CHARACTERISTICS OF PIPING PLOVER AND LEAST TERN IN NEBRASKA. *Nebr. Bird Rev.* 56(2):42-44. 1988. WR 211
[910 N. 49th St., Omaha, NE 68132] *Charadrius melodus circumcinctus* and *Sterna antillarum athalassos*.

88-011643 Duffy, David C. PREDATOR-PREY INTERACTIONS BETWEEN COMMON TERNS AND BUTTERFISH. *Ornis Scand.* 19(2):160-163. 1988. WR 211
[Escuela Cienc. Ambientales, Univ. Nac., Heredia, Costa Rica] *Sterna hirundo* in New York.

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88-011644 Dulude, Anne-Marie; Raymond McNeil and Georg Baron. DO YOUNG RING-BILLED GULLS *LARUS DELAWARENSIS* PARTICIPATE IN TERRITORIAL DEFENCE? *Bird Study* 35(2):153-158. 1988. WR 211
[McNeil: Cent. Rech. Ecol., Univ. Montreal, C.P. 6128, Succ. 'A', Montreal, PQ, Canada H3C 3J7]

88-011645 Duncan, David C. and Anthony J. Gaston. THE RELATIONSHIP BETWEEN PRECOCITY AND BODY COMPOSITION IN SOME NEONATE ALCIDS. *Condor* 90(3):718-721. 1988. WR 211
[Prairie Pothole Project, Box 746, Redvers, SN, Canada S0C 2H0]

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[School Environ. & Life Sci., Murdoch Univ., Murdoch, W.A. 6150, Australia]

88-011647 Dwyer, Thomas J.; Greg F. Sepik; Eric L. Derleth and Daniel G. McAuley. DEMOGRAPHIC CHARACTERISTICS OF A MAINE WOODCOCK POPULATION AND EFFECTS OF HABITAT MANAGEMENT. *U.S. Fish Wildl. Serv. Fish Wildl. Res.* No. 4. 29p. 1988. Available from U.S. Fish & Wildl. Serv., Publications Unit, Matomic Bldg., Rm. 148, Washington, DC 20240. WR 211
[U.S. Fish & Wildl. Serv., Office Migratory Bird Manage., Washington, DC 20240] *Scolopax minor*.

88-011648 Dyrcz, Andrzej and Josef Witowski. NUMBERS, DISTRIBUTION AND INTERSPECIFIC RELATIONS OF BREEDING WADERS IN NATURAL BIEBRZA FEN AND ADJACENT RECLAIMED MARSH. *Wader Study Group Bull.* No. 51. p. 42-44. 1987. WR 211
[Dep. Avian Ecol., Univ. Wroclaw, Sienkiewicza 21, 50-335 Wroclaw, Poland]

88-011649 Eddleman, William R.; Fritz L. Knopf; Brooke Meanley; Frederic A. Reid and Richard Zembal. CONSERVATION OF NORTH AMERICAN RALLIDS. *Wilson Bull.* 100(3):458-475. 1988. WR 211
[Dep. Nat. Resour. Sci., Univ. R.I., Kingston 02881]

88-011650 Ena, V. and A. Martinez. [FERTILITY OF THE GREAT BUSTARD (*OTIS TARDA* L.) IN VILLAFAFILA (ZAMORA, SPAIN) IN 1984.] *Misc. Zool.* 9:325-329. 1985. In Spanish with English summ. From Ecol. Abstr. 1987/6:87L/8181. 1987. WR 211

88-011651 Engelmoer, M.; C. S. Roselaar; E. Nieboer and G. C. Boere. BIOMETRICS IN WADERS. *Wader Study Group Bull.* No. 51. p. 44-47. 1987. WR 211
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88-011652 Ewins, P. J. FISH ORIENTATION IN THE BILL OF BLACK GUILLEMOTS *CEPPHUS GRYLLE*. *Bird Study* 35(2):119-122. 1988. WR 211
[Nat. Conserv. Council, Archway House, 7 Eastcheap, Letchworth, Herts SG6 3DG, England]

88-011653 Ewins, P. J.; P. M. Ellis; D. B. Bird and A. Prior. THE DISTRIBUTION AND STATUS OF ARCTIC AND GREAT SKUAS IN SHETLAND 1985-86. *Scott. Birds* 15(1):9-20. 1988. WR 211
[NCC, Archway House, 7 Eastcheap, Letchworth, Herts SG6 3DG, England] *Stercorarius parasiticus* and *Catharacta skua* in Scotland.

SHOREBIRDS, MARSHBIRDS, AND ALLIES (CONTINUED)

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[Nat. Conserv. Council, Archway House, 7 Eastcheap, Letchworth, Herts. SG6 3DG, England]

88-011655 Farago, Sandor. POSSIBILITIES OF SURVIVAL OF GREAT BUSTARD (*OTIS TARDA* L.) STOCKS IN HUNGARY UNDER THE PRESENT ALTERED ENVIRONMENTAL CONDITIONS. *Trans. Congr. Int. Union Game Biol.* 18:59-60. 1987. Abstract only. WR 211
[Univ. For. & Timber Ind., Dep. Wildl. Manage., Sopron, Hungary]

88-011656 Fellenberg, Wolfgang. [RECORD OF *STERCORARIUS SKUA* FOR WESTPHALIA.] *Charadrius* 24(1):1-3. 1988. In German. WR 211
[Am Ruberg 45, 5940 Lennestadt 1, West Germany]

88-011657 Finch, Brian W. and David Gillieson. REDISCOVERY OF A RESIDENT POPULATION OF EURASIAN COOT *FULICA ATRA* IN PAPUA NEW GUINEA. *Muruk* 3(1):6. 1988. WR 211
[P.O. Box 59749, Nairobi, Kenya]

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[Wildfowl Trust, Slimbridge, Gloucester GL2 7BT, England]

88-011659 Gaines, Eleanor Prindibille and Mark R. Ryan. PIPING PLOVER HABITAT USE AND REPRODUCTIVE SUCCESS IN NORTH DAKOTA. *J. Wildl. Manage.* 52(2):266-273. 1988. WR 211
[Nat. Hist. Sect., Dep. Conserv., Jefferson City, MO 65102] *Charadrius melodus.*

88-011660 Gajadhar, Alvin A. and Frederick A. Leighton. *EIMERIA WOBESERI* SP. N. AND *EIMERIA GOELANDI* SP. N. (PROTOZOA: APICOMPLEXA) IN THE KIDNEYS OF HERRING GULLS (*LARUS ARGENTATUS*). *J. Wildl. Dis.* 24(3):538-546. 1988. WR 211
[Dep. Biol., Colo. State Univ., Fort Collins 80523]

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[Nat. Conserv. Council, 12 Hope Terrace, Edinburgh, Scotland]

88-011662 Galbraith, H. EFFECTS OF AGRICULTURE ON THE BREEDING ECOLOGY OF LAPWINGS *VANELLUS VANELLUS*. *J. Appl. Ecol.* 25(2):487-503. 1988. WR 211
[Nat. Conserv. Council, 12 Hope Terrace, Edinburgh EH9 2AS, Scotland]

88-011663 Galbraith, H. THE EFFECTS OF TERRITORIAL BEHAVIOUR ON LAPWING POPULATIONS. *Ornis Scand.* 19(2):134-138. 1988. WR 211
[Nat. Conserv. Council, 12 Hope Terrace, Edinburgh EH9 2AS, Scotland] *Vanellus vanellus* in Scotland.

88-011664 Garnett, Stephen T. AERIAL SURVEYS OF WADERS (AVES: CHARADRIIFORMES) ALONG THE COAST OF NORTH-EASTERN AUSTRALIA. *Aust. Wildl. Res.* 14(4):521-528. 1987. WR 211
[Garden of St. Erth, Blackwood, Vic. 3458, Australia]

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88-011665 Gaston, A. J.; I. L. Jones; D. G. Noble and S. A. Smith. ORIENTATION OF ANCIENT MURRELET, *SYNTHLIBORAMPHUS ANTIQUUS*, CHICKS DURING THEIR PASSAGE FROM THE BURROW TO THE SEA. *Anim. Behav.* 36(1):300-303. 1988. WR 211
[Canadian Wildl. Serv., Ottawa, ON, Canada K1A 0E7]

88-011666 Geering, D. J. SOME NOTES ON A BEACH THICK-KNEE RUNNER. *Corella* 12(1):22-24. 1988. WR 211
[1/22 Fry St., Grafton, N.S.W. 2460, Australia] *Burhinus neglectus* in Australia.

88-011667 Goodwill, Margaret E. and J. E. Victor Goodwill. TEREK SANDPIPER IN BRITISH COLUMBIA, CANADA. *Am. Birds* 42(2):177. 1988. WR 211
[501-1204 Fairfield Rd., Victoria, BC, Canada V8V 3B2] *Xenus cinereus*.

88-011668 Gordon, Lynn M. and J. P. Myers. SEASONAL CHANGES IN SPACE USE PATTERNS OF INDIVIDUAL SANDERLINGS. *Wader Study Group Bull.* No. 51. p. 64. 1987. Abstract only. WR 211
[Bodega Mar. Lab., P.O. Box 247, Bodega Bay, CA 94923] *Calidris alba* in California.

88-011669 Gotmark, Frank. WHITE UNDERPARTS IN GULLS FUNCTION AS HUNTING CAMOUFLAGE. *Anim. Behav.* 35(6):1786-1792. 1987. WR 211
[Dep. Zool., Univ. Gothenburg, P.O. Box 25059, S-400 31 Gothenburg, Sweden] *Larus ridibundus*.

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[Dep. Zool., Univ. Thessaloniki, GR-540 06 Thessaloniki, Greece] *Recurvirostra avocetta* and *Glareola pratincola*.

88-011672 Goutner, Vassilis and Christos Goutner. NEST SITE SELECTION OF OYSTERCATCHERS, *HAEMATOPUS OSTRALEGUS*, IN THE EVROS DELTA (GREECE). *Riv. Ital. Ornitol.* 57(3-4):187-192. 1987. In English with Italian summ. WR 211
[Dep. Zool., Univ. Thessaloniki, 54006 Thessaloniki, Greece]

88-011673 Gratto, Cheri L. ENDOCRINOLOGICAL ANALYSIS OF SANDPIPER SOCIAL SYSTEMS: 1. TESTOSTERONE. *Wader Study Group Bull.* No. 51. p. 64. 1987. Abstract only. WR 211
[Dep. Biol., Univ. N.D., Grand Forks 58202] *Calidris pusilla* and *Phalaropus lobatus* in Canada.

88-011674 Gromadzka, J. and B. Przystupa. RESULTS OF WADER RINGING AT THE MOUTH OF VISTULA (GULF OF GDANSK, POLAND). *Wader Study Group Bull.* No. 51. p. 28. 1987. Abstract only. WR 211
[Ornithol. Stn., 80-680 Gdansk 40, Poland]

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[Ornithol. Stn., 80-680 Gdansk 40, Poland] *Calidris alpina.*

88-011676 Gromadzka, J. SOME PECULIARITIES OF WADER MIGRATION AT THE GULF OF GDANSK, POLAND. *Wader Study Group Bull.* No. 51. p. 20. 1987. Abstract only. WR 211
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88-011677 Guerra Correa, Carlos Guillermo. LIFE HISTORY BIOLOGY OF THE DESERT NESTING SEAGULL *LARUS MODESTUS. Ph.D. dissertation, N. Tex. State Univ.* 265p. 1987. From Diss. Abstr. Int. B Sci. Eng. 49(1):31. 1988. WR 211

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Fratercula arctica.

88-011679 Hackl, Elizabeth and Joanna Burger. FACTORS AFFECTING PIRACY IN HERRING GULLS AT A NEW JERSEY LANDFILL. *Wilson Bull.* 100(3):424-430. 1988. WR 211
[469 Grant Ave., Apt. C, Palo Alto, CA 94306] *Larus argentatus.*

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[Dep. Math. Stat., Univ. Cape Town, Private Bag, Rondebosch 7700, Cape Town, South Africa] *Calidris ferruginea* in South Africa.

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[Inst. Parasitol., McGill Univ., Macdonald Coll., 21 111 Lakeshore Rd., Sainte-Anne-de-Bellevue, PQ, Canada H9X 1C0]

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[George Miksch Sutton Avian Res. Cent., Inc., P.O. Box 2007, Bartlesville, OK 74005] *Falco peregrinus tundrius, F. p. pealei*, and *F. p. macropus* in North America.

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88-012148 Smith, Jeff P. FIELD IDENTIFICATION OF NORTH AMERICAN ACCIPITERS. *Utah Birds* 3(3):37-55. 1987. WR 211
[Dep. Wildl. & Range Sci., Univ. Fla., 118 Newins-Ziegler Hall, Gainesville 32611] *Accipiter striatus, A. gentilis*, and *A. cooperii*.

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88-012197 Kranenburg, Tina. ANOTHER RUFOUS HUMMINGBIRD RECORD FOR COMANCHE COUNTY, OKLAHOMA. *Bull. Okla. Ornithol. Soc.* 21(3):21-22. 1988. WR 211
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WOODPECKERS AND ALLIES

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BLACKBIRDS, STARLINGS AND CROWS

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[Inst. Geflugelkrankheiten, Ludwig-Maximilians-Univ. Munich, 8042 Oberschleissheim, West Germany] *Gracula religiosa.*

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[Dep. Ecol. Ethol. & Evol., Univ. Ill., 505 S. Goodwin Ave., Urbana 61801] *Gymnorhinus cyanocephalus*.

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Cook, Sheila
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Craig, Gerald R.
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Craig, T. M.
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Cramer, Kenneth L.
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BOOK REVIEW

Jameson, E. W., Jr., and Hans J. Peeters. 1988. *California Mammals*. University of California Press, 2120 Berkeley Way, Berkeley, CA 94720. xii + 403 pp. Available from the publisher at $24.95 (cloth).

This work, number 52 in the California Natural History Guide Series, may be the handiest compilation on the mammals of California since Ingles' (1965) *Mammals of the Pacific States*; it has the added convenience of being specific to the Golden State. It is of typical field-guide size, and sturdily bound, but 403-plus pages make it a little thick to tuck into the pocket of my jeans. Nonetheless, it will fit into a backpack or jacket pocket and promises to be as useful in the field as in the home or office.

After the dedication to A. Starker Leopold, the book commences with short but informative chapters on the study of mammals, rare and endangered species of mammals in California (However, those needing more information on this topic should obtain Williams, D. F., *Mammalian Species of Special Concern in California*. Calif. Dept. Fish and Game, Wildl. Manage. Div. Admin. Report 86–1 [June 1986]), reproduction, seasonal dormancy, senses (olfaction, visual and vocal communication), migration and movements, mammals and California society (predation, feral dogs, furbearers, pathogens), and food of mammals. The chapters are liberally sprinkled with drawings and useful hints on understanding mammals, and each ends with a short list of references.

Species accounts make up approximately three-fourths of the book, and keys to families, genera, and species are included; orders are described in text rather than separated by keys. Each species account includes a brief description that includes average measurements, as well as comments on distribution, food, reproduction, and miscellaneous features. Many species are illustrated with line drawings of variable quality, and drawings of skulls and other anatomical features are included in most keys. Sixteen color plates, again of variable quality, depict many species. Range maps for species that are not statewide in distribution are provided; the book ends with a short glossary and a useful index. I found few errors in typesetting or fact (although the forearm of bats is not the humerus as stated on p. 110) in perusing the book. I recommend this book for those needing a guide to California mammals.--Michael A. Bogan, National Ecology Research Center, 1300 Blue Spruce Drive, Fort Collins, Colorado 80524.

Cheng Tso-hsin. 1987. *A Synopsis of the Avifauna of China*. Science Press, Beijing. 1228 pp. ISBN 3–490–12518–3. Available at $163.00 (cloth) from Paul Parey, 35 West 38th Street, #3W, New York, NY 10018.

This book is an enlarged edition of the *Distributional List of Chinese Birds*, originally published only in Chinese. It includes all the birds discovered and recorded in China "including the Province of Taiwan." In all, 1186 species (or 2129 forms, *i.e.* species and subspecies) are covered briefly, emphasizing scientific names, Chinese, English, and Russian names, and breeding habitat in China. Actual collecting localities are indicated on individual species maps. Present status, with remarks on changes, is also given. It is a good supplementary reference to use with Meyer de Schauensee's *The Birds of China*, published by the Smithsonian Institution Press in 1984. The latter includes colored plates illustrating most species as well as brief identification accounts, but lacks individual species maps. The Smithsonian book is cheaper ($45.00 cloth and $29.95 paper). Neither, however, constitutes a small, compact field guide that the casual visitor to China might want to pack in his luggage and carry afield. Cheng Tso-hsin's authoritative works will be most useful for taxonomists and museum-oriented ornithologists.--Ronald A. Ryder, Department of Fishery and Wildlife Biology, Colorado State University, Fort Collins, Colorado 80523.

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BOOK REVIEW

Tomich, P. Quentin. 1986. *Mammals in Hawai'i*. Second Edition. Bishop Museum Special Publication 76, Bishop Museum Press, Honolulu, HI. 375 pp.

This book, subtitled "a synopsis and notational bibliography," is a revised edition of Tomich's 1969 work and like the first edition provides extensive information on the native and introduced mammals of Hawai'i. The status of mammalogy there is most succinctly summarized by learning that the mammalian fauna totals 44 species (a surprisingly high number at first glance) and includes one bat, two marine littoral species, and 22 pelagic mammals. The remainder, 19 free-ranging terrestrial species, have been introduced by humans! In addition, the hypothetical list includes two species of bats that failed to colonize and several additional cetaceans.

The Introduction includes brief sections on mammalogy in review, strategy (of the book), acknowledgments, classification, and trends. There is a checklist of names and origins, followed by the species accounts which cover 152 pp. Each account includes the original description, type locality, native (or for marine forms the general) range, and range in Hawai'i. This is followed by narrative comments of varying length depending on the species. The final chapter, entitled "Some Perspectives on Hawaiian Mammalogy," includes some particularly interesting material on Hawaiian names for mammals (ancient names include only the pig, dog, rat, bat, and seal), mammals in crafts and art, more information on cetaceans, biological aspects of rodents, diseases and parasites, animal quarantine, and introduction of alien mammals. This chapter closes with comments on smaller outlying islands in the Hawaiian chain and how several have been severely degraded by man's activities. The remainder of the book (over 160 pp.) consists of an annotated bibliography (some 1,500 discrete items) on Hawaiian mammalogy. An index is included.

For those working, or seeking further information, on mammals in Hawai'i, this work is indispensable. As a reminder of what humans can do to islands it is a sobering treatise.–Michael A. Bogan, National Ecology Research Center, 1300 Blue Spruce Drive, Fort Collins, Colorado 80524.

Jones, J. Knox, Jr., and Elmer C. Birney. 1988. *Handbook of Mammals of the North-Central States*. University of Minnesota Press, 2037 University Ave., Minneapolis, MN 55414. 346 pp. Available from the publisher at $15.95 (paper).

This handbook joins the ranks of similar regional compendia–several co-authored by the senior author of this volume–and provides a useful and thorough reference to the mammals of Minnesota, Iowa, Wisconsin, Illinois, Michigan, Indiana, and Ohio. The book, also available hardbound, is of high quality with black and white photographs of all species, most by Roger Barbour.

Following the obligatory introductory comments, the book begins with a good discussion of the environments of the north-central states that includes information on geologic past, physiography, soils, climate, vegetation, and human influence. There follows an interesting and original discussion of the zoogeography of the mammals of this area that categorizes species into widespread (27 species), plains/grassland (12), eastern-widespread (14), eastern-New England (8), eastern-austral (10), boreomontane (22), neotropical (4), and southwestern (2) faunal elements. Both chapters contain literature citations that will be of use to those seeking further information. The bulk of the book comprises species accounts (distribution, description, natural history, and references), most arranged with a page of text facing a page with range maps and photographs. Chapters are grouped by order with brief introductory comments and keys to the species; in the case of rodents and carnivores, keys to families also are provided. The species accounts are bracketed by a checklist of mammals of the north-central states and by a chapter on introduced mammals and species of possible occurrence. A glossary of technical terms is included; a few line drawings are in the text and glossary. The book has an extensive references section and closes with an index to scientific and vernacular names.

Given the diversity of environments and species in the north-central states, I think those interested in mammals of this area will find this book of considerable value.–Michael A. Bogan, National Ecology Research Center, 1300 Blue Spruce Drive, Fort Collins, Colorado 80524.

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BOOK REVIEW

Brewster, Barney. 1987. *Te Moa: The Life and Death of New Zealand's Unique Bird*. Nikau Press, P.O. Box 602, Nelson, New Zealand. 64 pp. Available at $12.95 N.Z. (paper) from the publisher.

This compact little volume is a good, popularly written book about a most intriguing group of now-extinct birds. It is a well-researched but yet lively coverage of their probable natural histories and the various alleged causes of their extinction. Intended primarily for the "average New Zealander," anyone interested in birds and extinction will find it enjoyable reading. The lengthy bibliography permits one to search out more detailed references if desired.--Ronald A. Ryder, Department of Fishery and Wildlife Biology, Colorado State University, Fort Collins, Colorado 80523.

Hollom, P. A. D., R. F. Porter, S. Christensen, and I. Willis. 1988. *Birds of the Middle East and North Africa*. T. and A. D. Poyser, Calton, United Kingdom. 280 pp. and 40 color plates. Available at 14.00 pounds sterling (cloth) from Buteo Books, P.O. Box 481, Vermillion, SD 57069.

This book is intended to be a companion field guide for English-speaking birders and biologists who find themselves in Northern Africa (Morocco east to Egypt) or the Middle East. It accompanies *A Field Guide to the Birds of Britain and Europe*, by Roger Tory Peterson, Guy Montfort, and P. A. D. Hollom. As such, the book has one actual drawback, and another one by implication. The first is that it does not stand alone and must be used with a book by another manufacturer, and secondly it is written in a language (English) that is not comprehended by most persons in the territory it covers. In fact, only the English names are given and the local names do not even appear parenthetically.

The book treats 730 species; those not found in Britain or Europe receive lengthier treatments and are illustrated in color, while those covered by the other guide receive only a brief mention and no illustration--unless they have a different appearance. The species treatments are in the format of a Peterson field guide, but field marks are not indicated on the plates and there are no facing legend pages as in a Peterson guide.

For the North American reader, some difficulty will be encountered with the common names, since they often differ from those in the A.O.U. Checklist for Holarctic species. For example, the Common Loon has the appellation "Great Northern Diver" in the present work. In addition, there are no chapters introducing one to the geography or the ecology of the countries treated. In short, the book is intended solely for bibliophiles, or British birders vacationing abroad. For that purpose it probably does an adequate job.--Paul A. Opler, U.S. Fish and Wildlife Service, Office of Information Transfer, 1025 Pennock Place, Suite 212, Fort Collins, CO 80524.

Jordan, C. F., editor. 1986. *Amazonian Rain Forests, Ecosystem Disturbance and Recovery*. Ecological Studies, Vol. 60. Springer-Verlag, 175 Fifth Ave., New York, NY 10010. 133 pp. Available from the publisher at $45.00 (cloth).

The future of the world's largest expanse of tropical rain forest with its staggering biodiversity is probably mirrored by this small book's view of the results of several kinds of human-induced disturbances on the primary forests. The effects of various kinds of disturbances on nutrients and their distribution among ecosystem components are examined in several kinds of disturbances, with varying levels of permanence. The senior editor's aim is to examine which kinds of disturbance are wasteful of the Amazon basin's resources from either a real or economic point of view. Noted as particularly wasteful are instances where land is cleared solely to lay claim for national sovereignty or personal profit.

It is noted that some moderately disturbed land could recover half of its biomass and nutrient level in 80 years, but the author would not make a guess on how long it would take for total recovery. Based upon the rate of diaspore dispersal and seed weight change, similar forests in Costa Rica have been shown to require 1000 years for total recovery (Opler et al. 1977 in *Recovery and Restoration of Damaged Ecosystems*, Univ. Virginia Press). This does not bode well for the potential recovery of Amazon forests destroyed in man's thoughtless pursuit of personal gain. The author predicts that all eastern Amazonian forests will be cleared by the end of the present century, and that all of the western Amazon forests will have been impacted by man's influence--Paul A. Opler, U.S. Fish and Wildlife Service, Office of Information Transfer, 1025 Pennock Place, Suite 212, Fort Collins, CO 80524.

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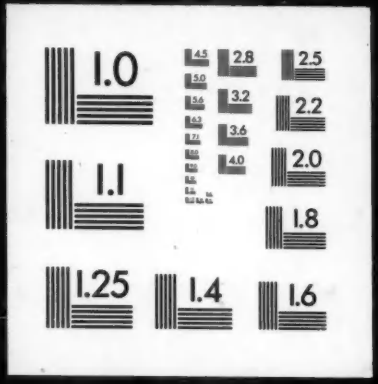
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